ABSTRACT OF THE DISCLOSURE

In the method for sharing encrypted data region among
two or more processes on a tamper resistant processor, one
process creates the encrypted data region to be shared
according to the common key generated as a result of the
safe key exchange, and the other process maps that region
to its own address space or process space. The address
information of the shared encrypted data region and the
common key of each process are set in relation in the
encrypted attribute register inside the tamper resistant
processor, so that it is possible to share the encrypted
data region safely.